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**843.41127X00**

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**INSTRUCTIONS:** This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence regarding the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for Maintenance fee notifications.

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020457 7590 05/18/2006

ANTONELLI, TERRY STOUT & KRAUS, LLP  
1300 NORTH SEVENTEENTH STREET  
SUITE 1800  
ARLINGTON, VA 22209-3873

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope Addressed to the Mail Stop **ISSUE FEE** address above, or being facsimile Transmitted to the USPTO (703) 746-4000, on the date indicated below.

020(Depositor's name)
(Signature)
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/073,029	2/12/2002	Satoshi Tanaka	843.41127X00	3075

TITLE OF INVENTION: DIRECT-CONVERSION TRANSMITTING CIRCUIT AND INTEGRATED TRANSMITTING/RECEIVING CIRCUIT

APPL. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE (S) DUE	DATE DUE
Nonprovisional	NO	\$1400	\$300	\$1700	8/18/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
LE, NHAN T	2618	455-118000

**1. Change of correspondence address or indication of "Fee Address: (37 CFR 1.363).**  
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB7122 attached. agents OR, alternatively,  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB47; Rev 03-02 or more recent) attached. Use of Customer Number is required.

**2. For printing on the patent front page, list**

(1) the names of up to 3 registered patent attorneys **1 ANTONELLI, TERRY, STOUT AND KRAUS, LLP.**

Or agents OR, alternatively,  
(2) the name of single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed no name will be printed.

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

RENESAS TECHNOLOGY CORP.  
HITACHI DEVICE ENGINEERING CO., LTD  
TTPCOM LIMITED

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

TOKYO, JAPAN  
NOBARA-SHI, JAPAN  
ROYSTON HERTFORDSHIRE, UNITED KINGDOM

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

**4a. The following fee(s) are enclosed:**

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☐ Advance Order- # of Copies \_\_\_\_\_

**4b. Payment of Fee (s):**

- ☐ A check in the amount of the fee(s) is enclosed.  
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☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number **01-2135** (enclose an extra copy of this form).

**5. Change in Entitled Status (from status indicated above)**

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.  
NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Larry N. Anagnos*  
Typed or printed name **Larry N. Anagnos**

Date: **August 17, 2006**

Registration No. **32,392,504**

08/18/2006 HKEYER 00000032 10073029

1400.00 OP  
300.00 OP

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) An application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and Submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete This form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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